

Notice of Allowability

Application No.

09/998,269

Examiner

Chongshan Chen

Applicant(s)

DARAY ET AL.

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 8/16/04.
2. ☒ The allowed claim(s) is/are 1-27.
3. ☒ The drawings filed on 30 November 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying Indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 2/15/2005.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.


JEAN M. MARIELUS
PRIMARY EXAMINER

DETAILED ACTION

1. This action is responsive to communication filed on 16 August 2004.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with John L. Rogitz on 15 February 2005.

The application has been amended as follows:

Please replace Claims 1, 10 and 19 as follows:

Claim 1 A method performed on a computer system operationally coupled to computer readable memory for storing a set of records each having a data key, said method for sorting based on collation information of a particular culture pertaining to said set of records, comprising:

 reading at least one locale token associated with the set of records, the locale token identifying at least one locale object having collation information;
 using at least the locale object to locate and read the collation information;

creating at least one culturally correct collation key for at least some data keys associated with at least some records, wherein the culturally correct collation key includes locale information and at least one collation rule for correct cultural preference of sorting; and
using at least one culturally correct collation key to sort the set of records into at least one culturally correct sorted order.

Claim 10 A computer program product for use in a computer system operatively coupled to a computer readable memory, the computer program product including a computer-readable data storage medium tangibly embodying computer readable program code for directing said computer to sort a set of records each having a data key based on collation information of a particular culture pertaining to said set of records, said code comprising:

means for instructing said computer system to read a locale token associated with the set of records, the locale token identifying a preferred locale object having collation information;

means for instructing said computer system to use the preferred locale object to locate and read the collation information;

means for instructing said computer system to create a culturally correct collation key for each data key associated with the each record, wherein the culturally correct collation key includes locale information and at least one collation rule for correct cultural preference of sorting; and

means for instructing said computer system to use the created culturally correct collation keys to sort the set of records into a culturally correct sorted order.

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Claim 19 A computer system operatively coupled to a computer readable memory, the computer system for sorting, based on collation information of a particular culture pertaining to said set of records, the computer system undertaking method acts comprising:

 reading a locale token associated with the set of records, the locale token identifying a preferred locale object having collation information;

 using the preferred locale object to locate and read the collation information;

 creating a culturally correct collation key for each data key associated with the each record, wherein the culturally correct collation key includes locale information and at least one collation rule for correct cultural preference of sorting; and

 using the created culturally correct collation keys to sort the set of records into a culturally correct sorted order.

Allowable Subject Matter

3. Claims 1-27 are allowed over prior art that made of record.

Reasons for Allowance

4. The following is an examiner's statement of reasons for allowance:

The prior art of record alone or in combination does not fairly teach or suggest "using at least the locale object to locate and read the collation information; creating at least one culturally correct collation key for at least some data keys associated with at least some records, wherein the culturally correct collation key includes locale information and at least one collation rule for correct cultural preference of sorting; and using at least one culturally correct collation key, sorting the set of records into at least one culturally correct sorted order" in claim 1; "means for instructing said computer system to use the preferred locale object to locate and read the collation information; means for instructing said computer system to create a culturally correct collation key for each data key associated with the each record, wherein the culturally correct collation key includes locale information and at least one collation rule for correct cultural preference of sorting; and means for instructing said computer system to use the created culturally correct collation keys to sort the set of records into a culturally correct sorted order" in claim 10; and "using the preferred locale object to locate and read the collation information; creating a culturally correct collation key for each data key associated with the each record, wherein the culturally correct collation key includes locale information and at least one collation rule for correct cultural preference of sorting; and using the created culturally correct collation keys to sort the set of records into a culturally correct sorted order" in claim 19, and in

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conjunction with all other limitations of the dependent and independent claims. Therefore, all pending claims 1-27 is hereby allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chongshan Chen whose telephone number is (571)272-4031. The examiner can normally be reached on Monday - Friday (8:00 am - 4:30 pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John E Breene can be reached on (571)272-4107. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Chongshan Chen
February 16, 2005


JEAN M. CORRIELLUS
PRIMARY EXAMINER